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Martynov, V. M. and Kuchinskaya, N. D.
MOISTURE VAPOR TRANSMISSION THROUGH THIN LAYERS OF LUBRICATING GREASES [Proniknovenie Parov Vody Cherez Tonkie Sloi Konsistentnykh Smazok]. [1962] 9p.
Order from ATS $13.00 ATS-52P63R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1958, v. 3, no. 10, p. 64-69.

DESCRIPTORS: *Corrosion research, *Lubricants, *Greases, Water vapor, Penetration.

(Materials--Lubricants, TT, v. 9, no. 1)

62-34257

I. Martynov, V. M.
II. Kuchinskaya, N. D.
III. ATS-52P63R
IV. Associated Technical Services, Inc., East Orange, N. J.

ATS-RJ-3660

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New Fuel Oxidation Inhibitors and Additives for Increasing the Thermal Stability of Jet Fuels, by F. E. Mazitova, Ya. M. Paushkin.

RUSSIAN, per, Khim. i Tekh Topliv i Masel, Vol III, No 11, 1958, pp 10-12.

ATS RJ-1594
ATIS MIL-100/V
96-9897

Sci - Fuels
Jul 59

90,439

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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Comparison of Polyethylene Glycol Diesters with Dibasic Aliphatic Acid Diesters, by S. S. Al'tman.

RUSSIAN, per, Khim i Tekhnol Topliv i Masel, Vol III, No 11, 1958, pp 13-15.

ATS RJ-1655

Sci - Chem

Jul 59

90,840

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Catalyst Transport in Continuous Flow, by I. M. Kazumov, I. G. Fedyev,

RUSSIAN, par, Khim i Tekhnol Topliv i Masel, Vol III, No 11, 1958, pp 15-20.

ATS RJ-2211

Sci - Chem

May 60

115,467

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Reconstruction of Combination Units at the Saratov Refinery, by N. A. Mishagin, 5 pp. UNCL

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 11, 1958, pp 23-27.

AF 1256023

USSR
Econ
Sep 59

97622

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

The Chemical Composition of Carpathian Shales, by M. M. Zashkil'nyak, 4 pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol III, No 11, 1958, pp 33-35.

AFS 53L30R
ATS-RJ-1931

Sci - Min/Met
Sep 59
Vol 2, No 2

98,024

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

A Rapid Dynamic Method of Determining the Specific Surface Area of Catalysts, by S. N. Aleksandrov, S. L. Skop.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol III, No 11, 1958, pp 62-66.

ATS RJ-1619

Sci - Chem
Jul 59

90, 444

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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The Rate of Reactions in the Dehydrogenation of Propane on a Fixed Catalyst, by I. Ya. Tyuryayev, et al.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol III, No 12, 1958, pp 9-15.

ATS RJ-1900
OTS 61-17600

Sci - Chem
Dec 59

104,077

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

A Study of the Influence of Steam on the Pyrolysis of the Technical Ethane Fraction for Ethylene Production, by P. S. Kogan, L. A. Potolovskiy. UNCL.

RUSSIAN, per. Khim i Tekh Topliv i Masel, Vol III, No 12, 1958, pp 22-26.

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99,455

Sci - Chem
Oct 59

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Effect of Thermal and Steam Treatments on the Structure and Catalytic Activity of Spheroidal Silica-Alumina Catalysts, by A. V. Kiselev, Yu. S. Nikitin,

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol III, No 12, 1958, pp ~~32-36.~~ 27-31.

ATS RJ-1591

Sci - Chem
Jul 59

90,437

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

The Influence of the Chemical Composition of an Alumina-Cobalt Oxide-Molybdena Catalyst on Its Activity in Hydrofining and Autohydrofining Processes, by A. D. Sulimov, et al.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol III, No 12, 1958, pp 32-36.

ATS RJ-1590
ATS-46L30R

Sci - Chem
Jul 59

90,436

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Semi-Coking of Coal Fines in a Moving Bed, by Yu. I. Turskiy.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol III, No 12, 1958, pp 41-46.

ATS RJ-1904

Sci - Chem
Dec 59

104,081

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

A New Method for Evaluating the In-Service Behavior of Transformer Oils, by K. I. Ivanov, et al.

RUSSIAN, per, Khim i Tekh Topl.iv i Masel, Vol III, No 12, 1958, pp 46-48.

ATS RJ-1936

Sci - Chem
Dec 59

104/105

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

61-27586

CHEMISTRY AND TECHNOLOGY OF FUELS AND OILS, 1959 [VOL. 4]: INDEX. [1961] [16]p. [DSIR LLU M.3007.
Order from OTS or SLA $1.60 61-27586

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) 1959 [v. 4] index.

DESCRIPTORS: *Fuels, *Oils, Periodicals, Indexes, USSR, Chemistry.

The 182 articles that appeared in this journal in 1959 are listed by author (according to the Cyrillic alphabet) under the following headings: (1) Chemistry and technology of fuels and oils; (2) Petrochemical synthesis; (3) Operating properties of fuels and oils; (4) Methods of assessing the quality of fuels and oils; (5) Methods for calculation of petroleum plant apparatus; (6) Economic questions; (7) Discussion; (8) Information; and (9) Replies to reader's questions.

1. DSIR LLU M.3007

(Engineering--Chemical, TT, v. 6, no. 8)
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

The Present Status of the Problem of Using Radioactive Isotopes and Radiations in the Petroleum Refining Industry, by Yu. S. Zaslavskiy, 19 pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 1, 1959, pp 5-15.

ATIC MCL-197/2

Sci - Chemistry
Dec 60

134,373

AEC NP-TR-526
Dept Bot TN7
E57 No 392

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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Blinov, B. I., Makarov, I. A. and Pinkhusovich, R. L.
APPLICATION OF APPARATUS FOR RADIOACTIVE CONTROL IN A HYDROGENATION PLANT. [1963] 8p. (figs. refs. omitted).
Order from OTS or SLA $1.10 63-16971

Trans. of Khim[iya] i Tekhn[ologiya] Topliv i Masel (USSR) 1959, v. 4, no. 1, p. 15-19.

DESCRIPTORS: *Liquid level gages, *Liquid level control, *Radioactive isotopes, Gamma rays, Hydrogenation, Separation, *Horizontal indicators, Handling, Coal, Coke, Industrial plants.

A construction of radioactive level indicators and controllers in thick-walled vessels was created, which permitted a substantial reduction of the radiation intensity of the source by simultaneously using (Engineering--Chemical, TT, v. 10, no. 7) (over)

63-16971

I. Blinov, B. I.
II. Makarov, I. A.
III. Pinkhusovich, R. L.

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The Oxidation of Industrial Paraffin Under the Influence of Gamma-Radiation, by Yu. L. Khmelnitskiy, A. T. Slepneva, I. I. Melekhonova, 4 p.

RUSSIAN, per, Khimiya i Tekhnologiya Topliv i Masel, 1959, Vol IV, No 1, pp 25-27.

SLA 59-20295

Sci
Mar 60
Vol 2, No 11

109,535

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Study of the Nature of Surface on Cracking Catalysts by the Method of Adsorption of Tagged Cesium, by M. A. Kaliko, M. N. Pervukhina, 8 p.

RUSSIAN, per, Khim i Tekhnologiya Topliv i Masel, 1959, Vol IV, No 1, pp 35-40.

SLA 59-20294

Sci
Mar 60
Vol 2, No 11

109,552

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Conversion of Phenols During Vapor-Phase Hydrogenation, by K. A. Alekseyeva, B. L. Moldavskiy, 8 pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel USSR, Vol IV, No 1, 1959, pp 43-48.

ATS-52L31R
ATS-KJ-1844

Sci - Chem
Dec 59
Vol 2, No 4

102, 792

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Stabilization of Mineral Oils With Low-Molecular Polyisobutylene, by M. A. Mullin, et al. UNCL

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 1, 1959, pp 49-52.

DSIR LLU M.923
SLA 60-13797
(loan).

111/117

Sci - Fuels

Mar 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Some Relationships in the Loss of Detergent Additives From Oil, by A. B. Vipper, et al.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol IV, No 1, 1959, pp 59-63.

ATS-RJ-1935

Sci - Chem
Dec 59

104/104

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

The Pressure Exerted by a Compact Moving Bed of Granular Material on the Walls of a Shaft Type Apparatus, by P. I. Luk'yanov, et al.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol. IV, No 1, 1959, pp 63-68.

ATS RJ-1967

DSIR ALU III-2060(ZOPH)

Sci - Engr

Jan 60

105 758

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Tsiguro, T.A., Druzhinina, A. V., and Fillipov, B. F.
THE PERFORMANCE OF MOTOR OILS AND OF THE HYDROCARBON GROUPS ISOLATED FROM THEM.
12p. 5 refs. MTWL: 919.
Order from OTS or ETC $1.85 61-17589

Trans. of Khimiya i Tekhnologiya Topliva i Masel (USSR) 1959, no. 2, p. 18-24.

DESCRIPTORS: *Lubrication, *Oils, Hydrocarbons, Combustion.

61-17589

I. Tsiguro, T. A.
II. Druzhinina, A. V.
III. Fillipov, B. F.
IV. MTWL-919
V. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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Study of the Thermal Stability of Sulfurous Fuels, by Ye. N. Tereshchenko, M. Ye. Tararyshkin, 6 pp. [illegible]

RUSSIAN, Per, Khim i Tekh Topliv i Masel, No 2, 1959, pp 25-27.

AF 1255913

8c1 - Fuels
Aug 59

93,395

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Effect of Temperature on the Formation of Sediment in Hydrocarbons Fuels, by Z. A. Sabilina, A. A. Gureyev, 5 pp. UNCL

RUSSIAN, per; Khim i Tekh Topliv i Masel, No 2, 1959, pp 28-30.

AF 1255902

Sci - Fuels
Aug 59

93, 3 FE

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

A New Diesel Fuel Standard, 3 pp.

RUSSIAN, per, Khim i tekhn topliv i masel, No 2, 1959; June 1959, pp 71-72.

AF 1255914

Sci
Fuels
Sept 59

95,532

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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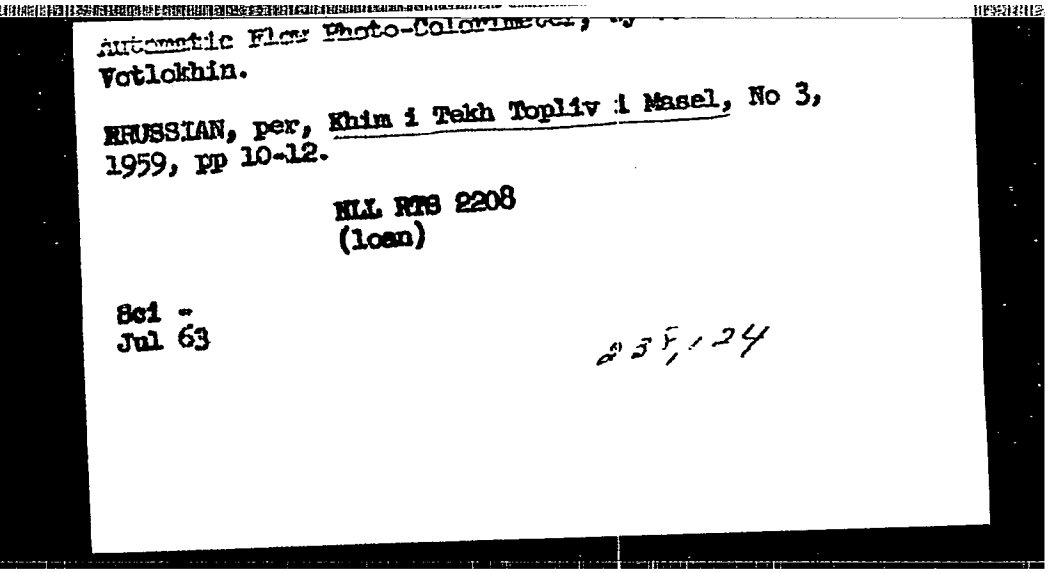

Automatic Flow Photo-Colorimeter, by
Votlokhin.

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 3,
1959, pp 10-12.

NLL RRS 2208
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Sci -
Jul 63

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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An Analyzer of Water Content in Petroleum, by I. B. Gantsevich, V. F. Romnev, 6 pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol IV, No 3, 1959, pp 17-20.

SLA 60-14336

Sci
Feb 62
Vol III, No 11

182, 813

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Chromatographic Analysis of Mixtures of Alkenes With Diolefins, by A. M. Brodskiy, et al.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol IV, No 3, 1959, pp 30-32.

ATS RJ-1985

Sci - Chem

Jan 60

105,770

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Economic Effectiveness of an Improvement of the Octane Characteristic of Motor Gasolines, by A. N. Baev, D. M. Aronov, L. M. Noreyko, 6 p.

RUSSIAN, per, Khim Tekhnol Topliv i Masel, 1959, Vol IV, No 3, pp 60-64.

AEC-837L35R
ATS/RT-2.079
113,567

Sep
Apr 60
Vol III, No 2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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Magnetic Resonance in Some Coals, by N. S. Garif'yanov, M. M. Aksel'rod, 6 p.

RUSSIAN, per, Khim i Tekhnol Topliv i Masel, 1959, Vol IV, No 3, pp 64-68.

AZB-47L331

Sci
Mar 60
Vol 2, No 11

109, 614

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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R-2483 (IC-2864).

The Establishment of New, and Modern Complete Technological Flow Processes and the Reduction of Specific Capital Investments in Oil Refining - A Highly Important Task in the Seven Year Plan for the Development of the USSR Oil Industry, by A. F. Aref'yev, B. B. Krupitskiy, N. I. Sorokin, 10 pp.

RUSSIAN, per, Khim i Tekh Top i Masel, No 4, 1959, pp 1-6.

USSR JPRS-L-1783-D 72,890
Econ - Technological - Petroleum Industry
Jul 59

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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Selection of Refining Process Schemes for High Sulfur Crudes of the Bashkir ASSR, by A. S. Sygenson, Ye. G. Ivchenko, 10 pp. UNCL.

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 4, 1959, pp 7-12.

AF 1256037

Sci - Fuels
Oct 59

98,719

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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Combination Plant for Straight-Run Distillation of Crude Oil and Catalytic Cracking of Residual Stock Over a Microspherical Natural Catalyst, by A. V. Agafonov. USCL

RUSSIAN, per, Khim i Tekh Topliva i Masel, No 4, 1959, pp 25-31.

TN7 E57 No. 341
AF 1419377

Sci - Fuels;

109,496

Mar 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

The Special Features of Stepwise Countercurrent Catalytic Cracking of Heavy Distillate Feed Stocks, by D. I. Orochko, et al.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol IV, No 4, 1959, pp ~~46-53~~.

ATS RJ-1896

Sci - Chem
Dec 59

104,075

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Rudkovskiy, D. M.
OXO SYNTHESIS PROCESS AS SOURCE OF INTERMEDIATES FOR MANUFACTURING HIGH-MOLECULAR COMPOUNDS, SURFACE-ACTIVE AGENTS, LUBRICATING OILS, AND OTHER SYNTHETIC ORGANIC PRODUCTS. [1961] 16p.
Order from ATS $12.45 ATS-34N52R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1959, v. 4, no. 5, p. 1-7.

DESCRIPTORS: *Detergents, Organic compounds, Polymers, Lubrication, *Oils, *Oxo process, Synthesis

(Engineering--Chemical, TT, v. 6, no. 3)

61-22626

I. Rudkovskiy, D. M.
II. ATS-34N52R
III. Associated Technical Services, I East Orange, N. J.

ATS-RJ-2902

17538

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

New Systems of Synthesis From Carbon Monoxide and Hydrogen, by A. P. Blyudov, et al.

RUSSIAN, per, Khim i Tekh Topliva, No 5, 1959, pp 8-13.

NLL M. 2591

Sci - Chem

174,989

Dec 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Alekseeva, K. A., Rudkovskii, D. M. and others. PREPARATION OF HIGH MOLECULAR WEIGHT ALCOHOLS FROM THE PRODUCTS OF CATALYTIC COKING BY THE OXO SYNTHESIS METHOD. [1961] 5p.

Order from ATS $7.50 ATS-35N52R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1959, v. 4, no. 5, p. 14-18.

DESCRIPTORS: *Alcohols, Synthesis, *Oxo process, Molecular weight, Catalysis, Coke

(Chemistry--Organic, TT, v. 6, no. 5)

61-22938

I. Alekseeva, K. A.
II. Rudkovskii, D. M.
III. ATS-35N52R
IV. Associated Technical Services, Inc., East Orange, N. J.

180576

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Rudovskii, D. M. and Trifel, A. G.
PRODUCTION OF PROPIONALDEHYDE BY THE OXO SYNTHESIS PROCESS. [1961] 8p.
Order from ATS $10.95 ATS-33N52R

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1959, v. 4, no. 5, p. 18-24.

DESCRIPTORS: *Aldehydes, Synthesis, *Oxo process.

(Chemistry--Organic, TT, v. 6, no. 4)

61-22939

I. Rudovskii, D. M.
II. Trifel, A. G.
III. ATS-33N52R
IV. Associated Technical Services, Inc., East Orange, N. J.

ATS-RJ-2707
17776

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Solubility of Synthesis Gas in Some Hydrocarbons and Oxygen-Containing Compounds Under the Conditions of the Oxo Synthesis, by K. A. Alekseyeva. UNCL.

RUSSIAN, por, Khim i Tekh Topliv i Masel, No 5, 1959, pp 24-28.

DSIR LLU M.840
NLL M, 47
(loan) 111,115

Sci - Fuels
Mar 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Selection of Refining Schems for Processing Topped Crude, by Ya. A. Sotnikov, B. B. Kaminer, D. Kh. Toregulov, 14 pp. UNCL

RUSSIAN, per, Khim i Tekh Topliva i Masel, No 5, 1959, pp 42-51.

TN7 E57 No 346
AF 1419174

Sci - Fuels

Mar 60

109,495

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Formation of Static Electricity in Jet Fuels, According to Data in the Foreign Literature, by N. A. Ragozin, N. F. Ronzhina, 7 pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol IV, No 6, 1959, pp 56-60.

ATS-83137R
ATS-RJ-2383
188, 842

Sci
Mar 62
Vol IV, No 2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Thermal Properties of Coals Undergoing Pyrolysis, by V. K. Zamolyyev.

RUSSIAN, per, Khim i Tekh Topliva i Masel, No 7, 1959, pp 20-23.

NLL M.3449

Sci - Chem

May 62

193,858

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Reaction Rates in the Pyrolysis of Ethane, by N. L. Barabanov,

RUSSIAN, per, Khim i Tekhnol Topliv i Masel, Vol IV, No 8, 1959, pp 19-22.

ATS RJ-2076

Sci - Chem

May 60

115, 381

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Selective Hydrorefining of Catalytically Cracked Gasolines, by L. N. Osipov, D. L. Gol'dshteyn.

RUSSIAN, per, Khim i Tekhnol Topliv i Masel, Vol IV, No 8, 1959, pp 22-25.

ATS RJ-2078
" 64L36R

Sci - Chem

May 60

115,383

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

R-2574 (NY-3153).

The Oil Refining of the USSR During the Seven-Year Plan (1959-1965), by V. P. Sukhanov, 12 pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 9, 1959, pp 1-8.

JPRS-L-1132-N

USSR
Econ
Dec 59

104,420

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

THERMAL STABILITY OF JET FUELS. 17 July 61, 4p. AID Rept. 61-107; AD-261 448.
Order from OTS or SLA $1.10 61-27706

Review of Khimiya i Tekhnologiya Topliv i Masel (USSR) 1957 [v. 2] no. 9, p. 66-70; 1960 [v. 5] no. 10, p. 35-38; 1961 [v. 6] no. 5, p. 48-53.

DESCRIPTORS: *Jet engine fuels, *Aviation fuels, Contamination, Chemical impurities, High temperature research, *Thiols, Sulfur compounds, Bronze, Brass, Corrosion, Deterioration, Catalysts, Catalysis, Test methods, Sedimentation, Stability.

Contents:
The catalytic effect of copper-base alloys on resin formation in T-type jet fuels, by I. E. Bespolov, D. E. Kestner, and O. V. Pletneva (Materials--Fuels, TT, v. 8, no. 2) (over)

61-27706

I. AID-61-107
II. AD-261 448
III. Aerospace Information Div., Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Effect of Different Catalysts on the Process of Paraffin Oxidation, by Gu Boo,

RUSSIAN, per, Khim i Tekhnol Topliv i Masel, Vol IV, No 10, 1959, pp 10-16.

ATS RJ-2089

Sci - Chem

May 60

115,386

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Karapetyants, M. H. and Chen, Huang Yu.
THE TEMPERATURE DEPENDENCE OF THE SATURATED VAPOR PRESSURE OF n-ALKYL CYCLOHEXANE. [1961] [6]p. 16 refs.
Order from OTS or SLA $1.10 61-27987

Trans. of [Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1959, v. 4, no. 10, p. 28-31.

DESCRIPTORS: *Cyclohexanes, Vapor pressure, Temperature, Alkyl radicals.

Earlier statements and applications of the combined calculation method were used for the calculations of the temperature-dependence of the saturation pressure of n-alkylcyclohexanes. Coefficients were derived which were used to establish the temperature-dependence for various n-alkylcyclohexanes: for a number of these substances there is no previous data reported in the literature. (Author)

61-27987

I. Karapetyants, M. H.
II. Chen, Huang Yu.
III. Translations, New York

187376

(Chemistry--Organic, TT, v. 6. no. 10)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

x
The Preparation of p-Xylene From
Diisobutylene, by V. I. Karzhev,
A. M. Lebedeva, 4 pp.

RUSSIAN, per, Khim i Tekhnol Topliv i Masel
Vol. IV, No 10, 1959, pp 31-34.

ATS-21M4OR
ATS-RJ-2395
186,302

Mar 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

The Lacquer Forming Tendencies of Diesel Fuels, Kerosines and Gasolines, by K. K. Papok, K. I. Bessmertniy.

RUSSIAN, per, Khim i Tekh Topliva i Masel, No 10, 1959, p 34.

NLL M. 2657

Sci - Fuels, Chem

Nov 61

174,427

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

R-2608 (DC-3205).

Certain Problems of Constructing Petroleum Refineries in the USSR, by S. K. Lalabekov, 6 pp.

RUSSIAN, per, Khim Tekh Topliv i Masel, No 10, 1959, pp 62-64.

JPRS-L-2025-D

USSR
Sci - Chemistry
Feb 60

AF 1419439 107887

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

High-Grade Fuels and Oils; Results of New Technology, 3 pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol IV, No 11, 1959, pp 1-3.

ATS-46168R

Sci
Feb 62
Vol III, No 11

182,812

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Variation in the Electrical Resistance of Coals During Heating, by A. A. Agroskin.

RUSSIAN, per, Khim i Tekh Topliv i Masel, 1959, pp 7-13.

CRL/T.836

Sci
Dec 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

The Effect of Some Lubricating-Oil Additives on Pitting, by M. D. Bezborod'ko, G. S. Krivoshein.

RUSSIAN, per, Khim i Tekh. Topliva i Masel, No 11, 1959, pp 13-17.

OSIR LLU M.1566
(loan)

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Sci - Engr

Aug 60

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Dispersion of Insoluble Sediment Which Forms in Jet Fuels Upon Heating, by Ya. B. Chertkov, V. M. Shchagin, 10 pp. UNCL.

RUSSIAN, por, Khim i Tekh Topliv i Masel, No 11, 1959, pp 23-28.

AF 1419447

Sci - Fuels JPRS 17760 111,925

Mar 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Changes of the Method for Sulfur Determination in Clear Petroleum Products, by M. I. Vasil'yeva, N. A. Vorob'yev, P. G. Ivanov, 4 pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol IV, No 11, 1959, pp 39-41.

SLA 60-16578

Sci

186,179

3 Mar 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Dynamics of Chemical Conversions in Flow Reactors With Internal Mixing, by A. P. Zinov'yeva, D. I. Orochko, 10 pp.

RUSSIAN, per, Khim i Tekh Tp Topliv i Masel, Vol IV, No 11, 1959, pp 41-48.

SLA 60-18067

Sci
Vol IV, No 9
Mar 62

187,617

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Karpov, N. F.
IMPROVEMENT IN THE TECHNOLOGY OF TSIATIM-339 ADDITIVE PRODUCTION (Usovershenstvovaniye Tekhnologii Izgotovleniya Prisadki Tsyatim-339). [1961] [4]p. [DSIR LLU] M. 2990.
Order from OTS or SLA $1.10 61-23234

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1959 [v. 4] no. 12, p. 1-2.

DESCRIPTORS: Phenols, Separation, Catalysts, Alkyl radicals, *Additives, Sodium compounds, Benzenes, Sulfonic acids, Production *Phenyl radicals.

Investigations carried out under laboratory and industrial conditions have demonstrated the possibility of eliminating the discharge of phenol and benzene sulphonic acid into industrial effluents. The additive Tsiatim-339 obtained is not inferior in quality to that obtained by the normal method. The sodium salt of benzene sulphonic acid may be used in chemical industry undertakings. (Author)

61-23234

I. Title: Tsiatim-339
I. Karpov, N. F.
II. DSIR LLU M. 2990

185179

Office of Technical Services
(Engineering--Chemical, TT, v. 6, no. 8)

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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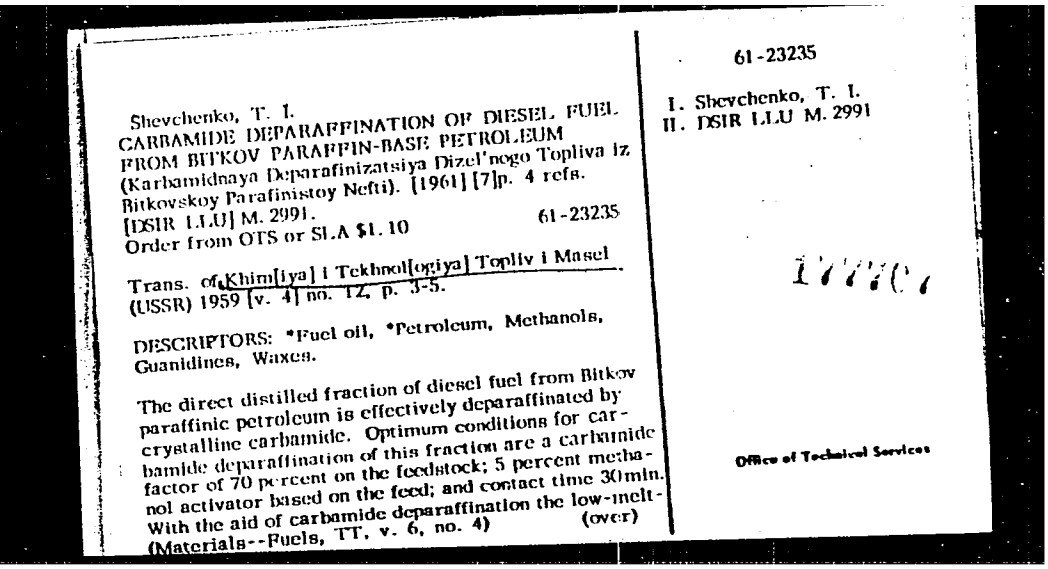

Shevchenko, T. I.
CARBAMIDE DEPARAFFINATION OF DIESEL FUEL FROM BITKOV PARAFFIN-BASE PETROLEUM (Karbamidnaya Deparafinizatsiya Dizel'nogo Topliva Iz Bitkovskoy Parafinistoy Nefti). [1961] [7]p. 4 refs. [DSIR LLU] M. 2991.
Order from OTS or SLA $1.10 61-23235

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1959 [v. 4] no. 12, p. 3-5.

DESCRIPTORS: *Fuel oil, *Petroleum, Methanols, Guanidines, Waxes.

The direct distilled fraction of diesel fuel from Bitkov paraffinic petroleum is effectively deparaffinated by crystalline carbamide. Optimum conditions for carbamide deparaffination of this fraction are a carbamide factor of 70 percent on the feedstock; 5 percent methanol activator based on the feed; and contact time 30min. With the aid of carbamide deparaffination the low-melt- (over)
(Materials--Fuels, TT, v. 6, no. 4)

61-23235

I. Shevchenko, T. I.
II. DSIR LLU M. 2991

17770

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Veselovskii, K. B., Gamburg, D. Yu., and Lelyakina, T. M.
THE CHANGE IN THE SURFACE OF SOLID FUELS DURING THE GASIFICATION PROCESS (Izmeneniye Poverkhnosti Tverdykh Topliv v Protsesse ikh Gasifikatsii). [1961] 7p. 8 refs. [DSIR LLU] M.2992. Order from OTS or SLA $1.10 61-23236

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1959 [v. 4] no. 12, p. 5-9.
Another translation is available from LC or SLA m:$2.40, ph:$3.30 as 60-18324 [1960] [11]p.

DESCRIPTORS: *Coke, Carbon dioxide, Decomposition, Surface area.

For abstract see Technical Translations 4 573, 1960.

(Materials--Fuels, TT, v. 6, no. 3)

61-23236

I. Title: Gasification
I. Veselovskii, K. B.
II. Gamburg, D. Yu.
III. Lelyakina, T. M.
IV. DSIR LLU M.2992

<4H 60-18324

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Vishnevskii, N. E.
*MIXING APPARATUS FOR A REACTOR FOR THE PRODUCTION OF ALKYL SULFURIC ACIDS (Peremeshivayushchiye Ustroystvo Reaktora dlya Polucheniya Alkilsernykh Kislot). [1961] [10]p. 5 refs. [DSIR LLU] M 2993.
Order from OTS or SLA $1.10 61-23237

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1959 [v. 4] no. 12, p. 9-13.

DESCRIPTORS: *Sulfuric acid, Alkyl radicals, Production, *Stirrers, Design.

In operation under increased pressure and in a corrosive medium, when the use of a stuffing box becomes difficult it is recommended that an electro-magnetic drive should be used which makes possible complete hermetic sealing of the apparatus at any rotational velocity of the shaft. For a screw with diffusor the velocity coefficient or provisional hydraulic efficiency (Engineering--Chemical, TT, v. 6, no. 3) (over)

61-23237

I. Vishnevskii, N. E.
II. DSIR LLU M.2993

175353

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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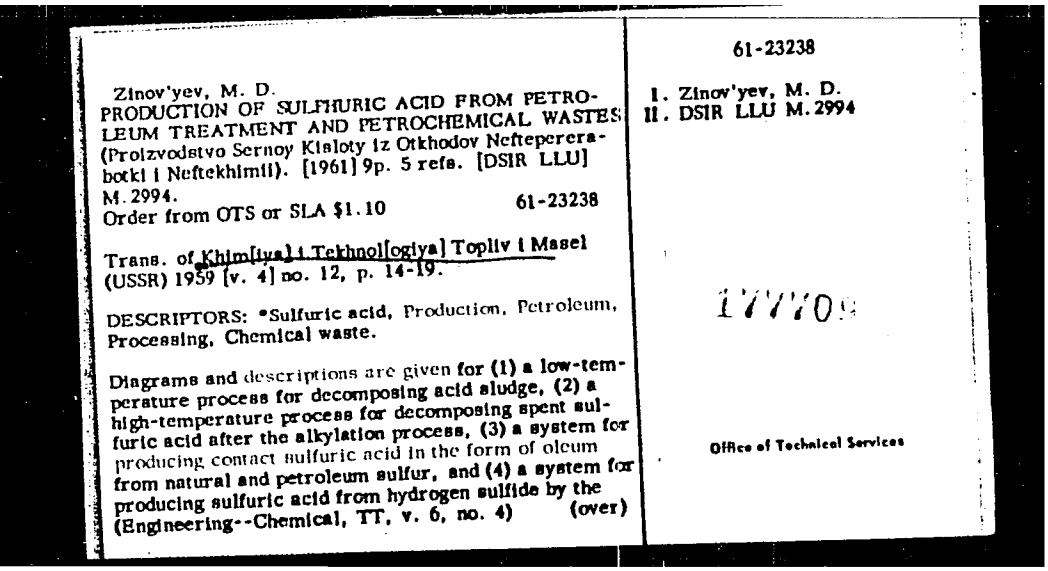

Zinov'yev, M. D.
PRODUCTION OF SULFHURIC ACID FROM PETROLEUM TREATMENT AND PETROCHEMICAL WASTES (Proizvodstvo Sernoy Kisloty iz Otkhodov Nefteperera-botki i Neftekhimii). [1961] 9p. 5 refs. [DSIR LLU] M. 2994.
Order from OTS or SLA $1.10 61-23238

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1959 [v. 4] no. 12, p. 14-19.

DESCRIPTORS: *Sulfuric acid, Production, Petroleum, Processing, Chemical waste.

Diagrams and descriptions are given for (1) a low-temperature process for decomposing acid sludge, (2) a high-temperature process for decomposing spent sulfuric acid after the alkylation process, (3) a system for producing contact sulfuric acid in the form of oleum from natural and petroleum sulfur, and (4) a system for producing sulfuric acid from hydrogen sulfide by the (Engineering--Chemical, TT, v. 6, no. 4) (over)

61-23238

I. Zinov'yev, M. D.
II. DSIR LLU M. 2994

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Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Koffun, T. I. and Strom, D. A.
THE PRODUCTION OF "SYNTHETIC TANNING OIL" BY THE USE OF SULPHURIC ACID (Izgotovleniye "Sinteticheskogo Kozhevennogo Zhira" s Primeneniyem Sernoy Kisloty). [1961] [8]p. 4 refs. [DSIR LLU] M 2995.
Order from OTS or SLA $1.10 61-23239

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1959 [v. 4] no. 12, p. 19-22.

DESCRIPTORS: *Tannic acids, Production, Esters, Oils, *Fatty acids, *Esterification, Glycols, Ethylenes, Sulfuric acid, Catalysts.

The use of sulphuric acid as the catalyst in the production of synthetic tanning oil on an industrial scale (1) significantly reduces the esterification time (2) improves the quality of the product according to iodine number. (3) increases the stability of the product in storage and (4) reduces the cost of the finished product (Engineering--Chemical, TT. v. 6. no. 3) (over)

61-23239

I. Koffun, T. I.
II. Strom, D. A.
III. DSIR LLU M.2995

175356

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Ishchuk, Yu. L. and Strom, L. D.
A CONTINUOUS PROCESS FOR ESTERIFICATION OF SYNTHETIC FATTY ACIDS BY ETHYLENE GLYCOL IN THE PRESENCE OF A CATALYST - SULPHURIC ACID (Nepreryvnyy Protsess Esterifikatsii Sinteticheskikh Zhirnykh Kislot Etilenglikolem v Prisutstvii Katalizatora - Sernoy Kisloty). [1961] [6]p. [DSIR LUU] M. 2996.
Order from OTS or SLA $1.10 61-23240

Trans. of Khim[iya] i Teknol[ogiya] Topliv i Masel (USSR) 1959 [v. 4] no. 12, p. 22-24.

DESCRIPTORS: *Fatty acids, *Esterification, Glycols, Ethylenes, Catalysts, Sulfuric acid, Industrial plants, Design, *Tannic acids, Esters, Oils.

The use of sulphuric acid, instead of zinc oxide, as the catalyst has made it possible to construct a plant for continuous esterification of a wide fraction of synthetic fatty acids with ethylene glycol.
(Engineering--Chemical, TT, v. 6, no. 3)

61-23240

I. Ishchuk, Yu. L.
II. Strom, L. D.
III. DSIR LUU M. 2996

17535

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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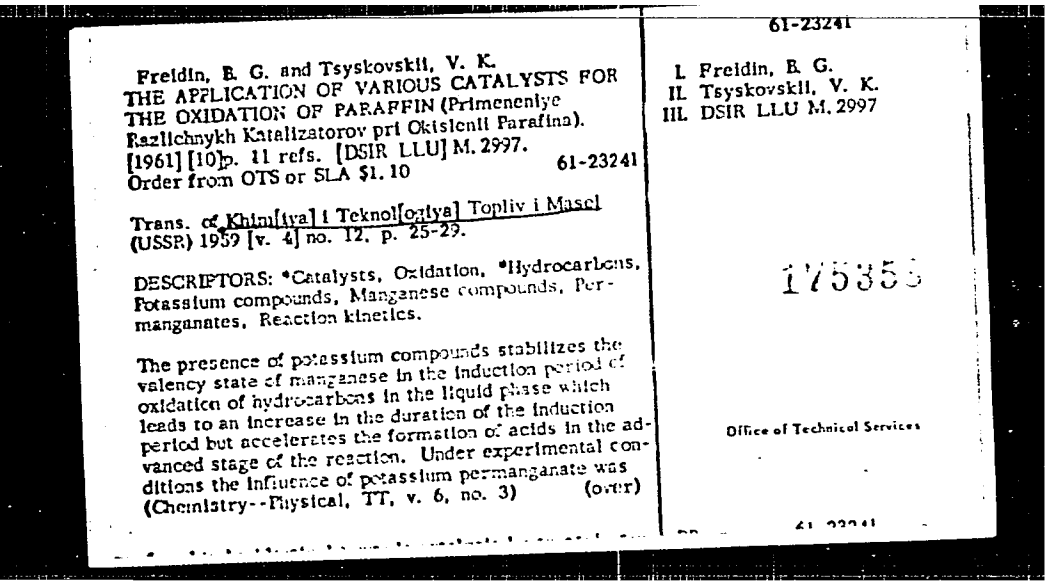

61-23241

Freidin, B. G. and Tsyskovskii, V. K.
THE APPLICATION OF VARIOUS CATALYSTS FOR THE OXIDATION OF PARAFFIN (Primenenlye Razlichnykh Katalizatorov pri Oksislenii Parafina). [1961] [10]p. 11 refs. [DSIR LLU] M. 2997.
Order from OTS or SLA $1.10 61-23241

Trans. of Khimiiya i Tekhnologiya Topliv i Masel (USSR) 1959 [v. 4] no. 12. p. 25-29.

DESCRIPTORS: *Catalysts, Oxidation, *Hydrocarbons, Potassium compounds, Manganese compounds, Permanganates, Reaction kinetics.

The presence of potassium compounds stabilizes the valency state of manganese in the induction period of oxidation of hydrocarbons in the liquid phase which leads to an increase in the duration of the induction period but accelerates the formation of acids in the advanced stage of the reaction. Under experimental conditions the influence of potassium permanganate was (Chemistry--Physical, TT, v. 6, no. 3) (over)

I. Freidin, B. G.
II. Tsyskovskii, V. K.
III. DSIR LLU M. 2997

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Office of Technical Services

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Zaslavskiy, Yu. S., Kreyn, S. Ye. and others.
THE NATURE OF PROTECTIVE FILMS FORMED BY ANTI-CORROSIVE ADDITIVES IN MOTOR OILS
(O Prirode Zashchitnykh Plenok, Obrazuyemykh Antikorrozivnymi Prisadkami k Motornym Maslam).
[1961] [12]p. 4 refs. [DSIR LLU] M 2998.
Order from OTS or SLA $1.60 61-23242

Trans. of Khim[iya] i Teknol[ogiya] Topliv i Masel (USSR) 1959 [v. 4] no. 12, p. 29-35.

DESCRIPTORS: *Lubricants, Corrosion inhibition, *Lubricant additives, Effectiveness.

The mechanism of the action of anti-corrosive additives in motor oils, containing sulphur or phosphorus, or containing sulphur and phosphorus together, results in the formation of films by these additives on the surface of the metal (lead) and these films are found to be protective only in the case where they are formed by molecules of the additive. From the polar, sulphur-
(Materials--Lubricants, TT, v. 4, no. 3) (over)

61-23242

L Zaslavskiy, Yu. S.
IL Kreyn, S. Ye.
IIL DSIR LLU M. 2998

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Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Freind, M. and Pallei, S.
A NEW METHOD FOR ASSESSING LUBRICATION OILS (Novyy Metod Otsenki Smazochnykh Masel). [1961] [11]p. 16 refs. [DSIR LLU] M. 2999.
Order from OTS or SLA $1.60 61-23243

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv i Masel (USSR) 1959 [v. 4] no. 12, p. 35-40.

DESCRIPTORS: *Lubrication, *Oils, Test methods, Diesel engines, Oxidation, Lubricant additives, Aging.

A new method of testing oils has been described suitable for assessment of engine lubricating oils under laboratory conditions. The results obtained by this method are in good agreement with results in rig tests in engines. The comparative data presented indicate that this method offers the possibility of preliminary assessment of lubricating engine oils. (Author)

(Materials--Lubricants, TT, v. 6, no. 3)

61-23243

I. Freind, M.
II. Pallei, S.
III. DSIR LLU M. 2999

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Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

The Structural-Group Composition of Fuels and Their Chemical Properties, by G. S. Shimonayev, L. S. Stepanova.

RUSSIAN, per, Khim i Tekh Topliva i Masel, No 12, 1959, pp 41-45.

NLL M. 3000

Sci

Feb 62

186, 0900

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

A Spectrophotometric Method for the Determination of Butyl Alcohols, by Ya. E. Shmulyakovskiy. 7 pp.

RUSSIAN, per, Khim i Tekh Topliva i Masel, No 12, 1959, pp 46-50.

NLL M. 3001
ATS RJ-4068 also ATS-28971R

Sci - Chem

Feb 62

186,844

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

Determination of the Dispersing Properties of Detergent Additives to Motor Oils, by E. A. Myshkin.

RUSSIAN, per, Khim i Tekh Topliva i Masel, No 12, 1959, pp 50-54.

OTS 61-27591
MLL M. 3002
ATS-05141R
ATS-R[illegible] 2855
196, 961

Sci

Feb 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

The Development of Jet Fuels Abroad, by V. N. Zrelov, UNCL 11 pp.

RUSSIAN, per, Khim i Tekh Topliv i Masel, No 12, 1959, pp 54-59. 9660422

ATIC MCL-594/III

NLL [illegible]

Fuels
Sci - Publs

147,785

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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OTS 61-27529
NLL M. 3004

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Miniature Adsorption Apparatus for Removal of Benzene From Petroleum Gases,

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ATS-20M4OR
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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Improvement in Fuel Testing; Determination of Cloud Point by Ultrasonics, 3 pp.

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Polymerization of Hexylenes and of Heptylenes on a Tungstene Sulfide Catalyst, by Ye. G. Vol'pova, A. V. Lyubar, 5 pp.

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SLA 60-18739
AD5-RJ-2182
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JPRS 2791

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Determination of the Dispersive Efficiency of Oils With Added Detergents, by A. M. Rabikobiche, G. C. Vinner, 7 pp.

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The Higher n-Paraffins in Ketkov and Dolinskoye Crude Oils, by Ye. F. Yatsenko, N. I. Chernozhukov, 5 pp.

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Electrochemical Method for Evaluation of Protective Properties in Grease Lubricants, by V. M. Martynov, M. V. Morozova, 8 pp.

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SLA 60-18740

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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SLA 61-10365
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Taubman, A.B., Konstantinova, V.V. and Kryukova, A.S.
DETERMINATION DE LA CONCENTRATION CRITIQUE DE FORMATION DE MICELLES DES PRODUITS TENSIOACTIFS (A Method for Determining the Critical Concentration of Micelle Formation of Surface-active Agents). 13p. 13refs. CNRS-VIII bis 652. Order from OTS, ETC or CNRS $1.60 TT-62-26558

Trans. in French of Khimiya i Tekhnologiya Topliv i Masel (USSR) 1960, v.5, no.3, p.61-66.

DESCRIPTORS: *Colloids, Surface-active substances, *Colorimetric analysis, Volumetric analysis, Spectrophotometers.

(Chemistry--Physical, TT, v. 11, no. 9)

TT-62-26558

I. Taubman, A.B.
II. Konstantinova, V.V.
III. Kryukova, A.S.
IV. CNRS-VIII bis 652
V. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
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FTD MCL-1300/1

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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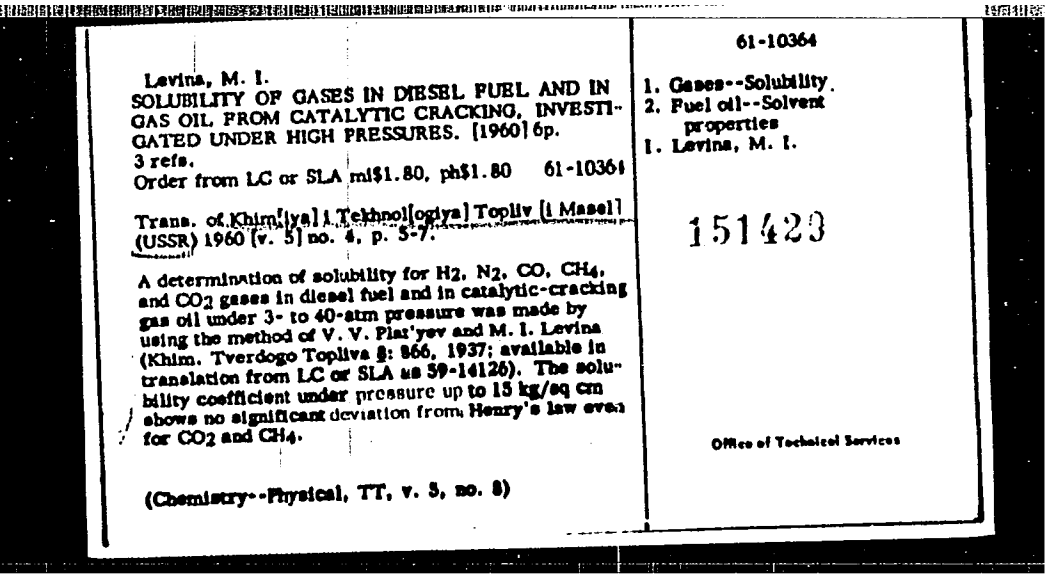

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3 refs.
Order from LC or SLA mi$1.80, ph$1.80 61-10364

Trans. of Khim[iya] i Tekhnol[ogiya] Topliv [i Masel] (USSR) 1960 [v. 5] no. 4, p. 5-7.

A determination of solubility for H_2, N_2, CO, CH_4, and CO_2 gases in diesel fuel and in catalytic-cracking gas oil under 3- to 40-atm pressure was made by using the method of V. V. Plat'yev and M. I. Levina (Khim. Tverdogo Topliva 8: 866, 1937; available in translation from LC or SLA as 59-14126). The solubility coefficient under pressure up to 15 kg/sq cm shows no significant deviation from Henry's law even for CO_2 and CH_4.

(Chemistry--Physical, TT, v. 5, no. 8)

61-10364

1. Gases--Solubility.
2. Fuel oil--Solvent properties
I. Levina, M. I.

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JPRS 4503

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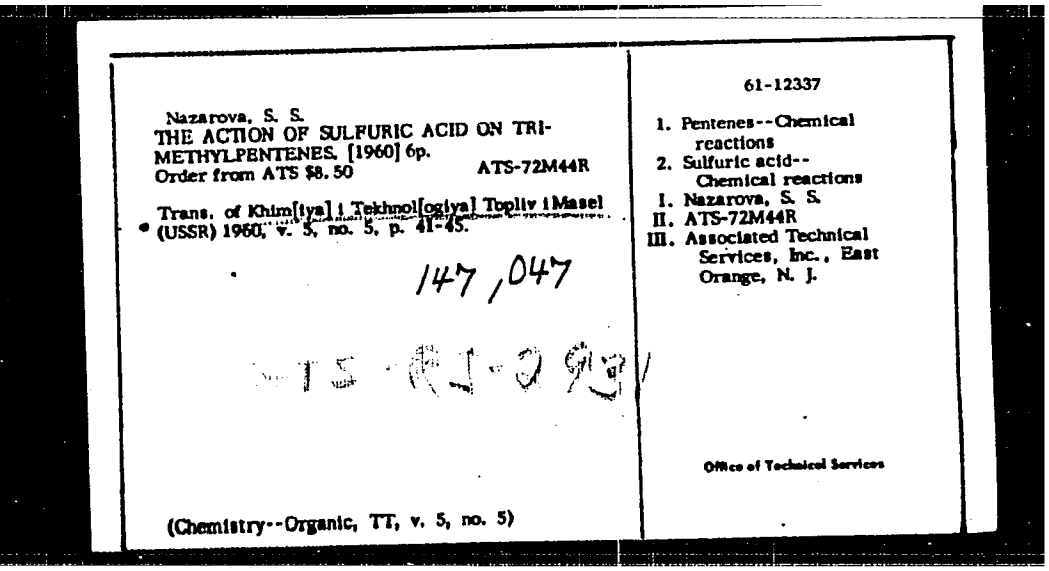

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(Chemistry--Organic, TT, v. 5, no. 5)

61-12337

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2. Sulfuric acid--Chemical reactions
I. Nazarova, S. S.
II. ATS-72M44R
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Automaion of Catalyst Circulation System in Catalytic Cracking Installation, by A. F. Anisimov, A. G. Samarskiy, Yu. A. Alekseyev, 7 pp.

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SLA 61-10363

Vol V, No 5
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Khrulev, M. V., Kogan, P. S., and Potolovskiy, L. A. HIGH TEMPERATURE PYROLYSIS OF THE ETHANE FRACTION IN TUBULAR FURNACES. [1960] 7p. 8 refs.
Order from LC or SLA mi$1.80, ph$1.80 61-10362

Trans. of Khimiya i Tekhnol[ogiya] Topliv [i Masel] (USSR) 1960 [v. 5] no. 8, p. 13-17.

Conditions for a high temperature pyrolysis of the ethane fraction in tubular furnace were studied and determined for production of a maximum yield in ethylene. The heat course of the furnace work was investigated. Comparative data on ethane fraction pyrolysis in laboratory and pilot plant installations, under equal conditions of temperature and of ethane conversion, are mentioned. (Author)

(Engineering--Chemical, TT, v. 5, no. 4)

61-10362

1. Ethanes--Decomposition
2. Furnaces--Operation
3. Ethylenes--Production
I. Khrulev, M. V.
II. Kogan, P. S.
III. Potolovskiy, L. A.

143,175

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2

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Solid Lubricant Coatings, by L. N. Sentyurikhina, Ye. M. Oparina, Z. S. Rubtsova, N. A. Suvorovskaya, UNCL,

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*ATIC NCL-1129/1

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29 Jun 61

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ATS-76N772

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830048-2